

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Boyd et al

Examiner: TBA

Serial No.:

10/749,120

Group Art Unit: TBA

Date Filed:

December 30, 2003

For: Diagnostic Indicator of Thymic Function

Atty. Docket No.: NOR-015CP2/286336.154US1

CERTIFICATION OF MAILING UNDER 37 C.F.R. 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on:

Date:

August 6, 2004

Janet McKean

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b)(3), the Applicants herewith submit the references on the attached Form PTO-1449, of which copies are enclosed. It is respectfully requested that the information enclosed be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In this regard, it is asked that the Examiner initial and return a copy of the attached Form PTO-1449 with the next Patent Office Communication.

This submission does not represent that a search has been carried out nor does it constitute an admission that the listed documents are material to the patentability of the invention, or that this enclosed art represents prior art. Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

U.S. Patent Application No. 10/749,120 Information Disclosure Statement Page 2 of 2

It is the Applicants' belief that the filing of this Information Disclosure Statement precedes the date of the mailing of the first Office Action on the merits, therefore, pursuant to 37 C.F.R. §1.97(b)(3), no fee is believed to be due. In the event that any outstanding fee(s) are due, the Commissioner is authorized to charge any fee deficiency or credit any overpayment to Deposit Account No. <u>08-0219</u>.

Respectfully submitted,

Agent for Applicants

Ann-Louise Kerner, Ph.D., Reg. No. 33,523

Date: August 6, 2004

WILMER CUTLER PICKERING HALE AND DORR LLP 60 State Street Boston, MA 02119 (617)-526-6000 (Telephone) (617)-526-5000 (Facsimile)

PTO/SB/21 (08-03) Approved for use through 07/31/2006. OMB 0651-0031

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This collection of inform process) an application	nation is required by 37 CFR 1	I.5. The in by 35 U.S.	formation is required to obtain or retain C. 122 and 37 CFR 1.14. This collection	a benefit	by the public wh	ch is to file (and by the USPTO to es to complete, including	

gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



For, PTO-1449

INFORMATION DISCLOSURE IN AN APPLICATION

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Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

Applicant Boyd, Richard

Sheet 1 OF 17 December 30, 2003

Group Art Unit 1645

	U.S. Patent Documents							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	3,972,859	Aug 3, 1976	Fujino et al.					
	3,992,365	Nov 16, 1976	Beddell et al.					
	4,003,884	Jan 18, 1977	Konig et al.					
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	4,008,209	Feb 15, 1977	Fujino et al.					
	4,010,125	Mar 1, 1977	Schally et al.					
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	4,018,726	Apr 19, 1977	Schally et al.					

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EXAMINER	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL	NUMBER	DATE		OLAGO	GODOLAGO	YES	NO
	76177/91	Nov 19, 1992	Australia				
	56394/94	Sep 1, 1994	Australia				
	181236	May 14, 1986	Europe				
	217659	Apr 8, 1987	Europe				
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A1	Aboudkhil et al., (1991) Scand. J. Immunol. 34, 647-653
 A2	Akashi et al., (1997) Cell 89(7) 1033-1041
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A4	Alpdogan et al., (2001) Blood 98:2256
 A5	Amado et al., (1999) Front. Biosci. 4:D468-475
A7	Andersen, (1994) Infect. Immunity, 62:2536
 A8	Andrew et al., (2002) Exp. Gerontol. 37:455
A9	Andrew, D. and Aspinall, R., (2001) J. Immunol. 166(3): 1524-1530

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(Use several sheets if necessary)

Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

Applicant Boyd, Richard

Sheet 2 OF 17

Filing Date December 30, 2003 Group Art Unit 1645

		U.S. F	Patent Documer	nts		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,024,121	May 17, 1977	Schally et al.	_		•
	4,089,946	May 16, 1978	Foell et al.			
	4,100,274	Jul 11, 1978	Dutta et al.			
	4,118,483	Oct 3, 1978	Konig et al.			
	4,128,638	Dec 5, 1978	Moody			
	4,218,439	Aug 19, 1980	Rivier et al.			
	4,234,571	Nov 18, 1980	Nestor et al.			
	4,275,001	Jun 23, 1981	Konig et al.			

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EXAMINER	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
INITIAL	NUMBER	DATE	COUNTRY	CLASS	GODOLAGO	YES	NO	
	413209	Feb 20, 1991	Europe					
	7923545	Sep 21, 1979	France					
	2509783	Sep 11, 1975	Germany					
	9112825	Jul 31, 1991	Great Britain					
	9112859	Jul 31, 1991	Great Britain				_	

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A10	Aspinall, et al., (2000) Vaccine 18:1629
A11	Aspinall, R., (1997) <i>J. Immunol.</i> 158:3037
A12	Atassi et al., (2001) Crit. Rev. Immunol. 21:1
A13	Atlan-Gepner, C., Naspetti, M., et al., (1999) Autoimmunity 3:249-260
A14	Bach (1983) Birth Defects Original Article Ser. 19(3): 245-253
A15	Bahnson <i>et al.</i> , (1997) "Method for Retrovirus-Mediated Gene Transfer to CD34+- Enriched Cells," in Gene Therapy Protocols (P.D. Robbins, ed.), Humana Press, pp.249-263
A16	Banerjee et al., (1994) Stem Cells 12:378

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3

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Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

Applicant Boyd, Richard

Filing Date December 30, 2003 Group Art Unit 1645

		U.S.	Patent Documen	nts		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,490,291	Dec 25, 1984	Fujino			
	4,608,251	Aug 26, 1986	Mia			
	4,642,332	Feb 10, 1987	Folkers et al.			
	4,656,247	Apr 7, 1987	Folkers et al.			
	4,775,361	Oct 4, 1988	Jacques et al.			
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	4,992,421	Feb 12, 1991	De et al.			
	5,003,011	Mar 26, 1991	Coy et al.			

	Foreign Patent Documents						
EXAMINER	DOCUMENT	DATE	COUNTRY	COUNTRY CLASS	SUBCLASS	TRANSLATION	
INITIAL	NUMBER					YES	NO
	WO 88/01176	Feb 25, 1988	WO				
	WO 92/19746	Nov 12, 1992	WO				
	WO 93/15722	Aug 19, 1993	WO				
	WO 94/26285	Nov 24, 1994	WO				

	Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)
A17	Basch, Ross S. (1990) Aging: Immunology and Infectious Disease, Vol. 2, No. 4, 229-235
A18	Batard <i>et al.</i> , (2000) <i>J. Cell. Sci.</i> 113:383-90
A19	Bauer, G., et al., (1997) Blood 89:2259-2267
A20	Belmont and Jurecic (1997) "Methods for Efficient Retrovirus-Mediated Gene Transfer to Mouse Hematopoietic Stem Cells," in <u>Gene Therapy Protocols</u> (P.D. Robbins, ed.), Humana Press, pp. 223-240
A21	Berzins et al., (1999) Proc. Natl. Acad. Sci. USA (17): 9787-9791

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Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

Applicant Boyd, Richard

Sheet 4 OF 17

Filing Date December 30, 2003 Group Art Unit 1645

		U.S. 1	Patent Documen	ts		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,061,620	Oct 29, 1991	Tsukamoto et al.			
	5,073,624	Dec 17, 1991	Coy et al.			
	5,144,019	Sep 1, 1992	Rossi et al.			
	5,199,942	Apr 6, 1993	Gillis			
	5,258,492	Nov 2, 1993	Schally et al.			
	5,736,524	Apr. 7, 1998	Content et al.			
	5,399,493	Mar 21, 1995	Emerson et al.			
	5,410,016	Apr 25, 1995	Hubbell et al.			
	5,506,207	Apr 9, 1996	Rivier et al.			

		Foreign	Patent Docum	ents			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS YES	LATION NO
	WO 94/26877	Nov 24, 1994	WO				
	WO 95/08105	Mar 23, 1995	WO				
	WO 96/14853	Mar 23, 1996	WO				
	WO 96/33281	Oct 24, 1996	WO				
	WO 96/33282	Oct 24, 1996	WO				

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A22	Berzins, S.P., Boyd, R.L. and Miller, J.F.A.P., (1998) <i>J Exp. Med.</i> 187: 1839
A23	Bloom and Murray, (1993) Science 257, 1055
A24	Bodey et al., (1997) In Vivo 11(4): 351-370
A25	Bodey et al., (1997) In Vivo 11(5): 421-440
A26	Bolotin et al., (1996) Blood 88:1887
A27	Bolotin et al., (1999) Bone Marrow Transplant, 23(8): 783-788
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Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

Applicant Boyd, Richard

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	5,559,703	Sep 24, 1996	lwata et al.			
	5,614,187	Mar 25, 1997	Sachs			
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		Foreign	Patent Docum	nents			
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INITIAL	NUMBER					YES	NO
	WO 98/08533	Mar 5, 1998	WO				
	WO 98/23325	Jun 4, 1998	WO				
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	Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)
A29	Bonyhadi, M.L., et al., (1997) J. Virology 71:4707-4716
A30	Borremans et al., (1989) Infect. Immunity 57:3123
A31	Boyd, R.L., Tucek, C.L., Godfrey, D.I., Wilson, T.J, Davidson, N.J., Bean, A.G.D., Ladyman, H.M., Ritter, M.A. and Hugo, P., (1993) <i>Immunology Today</i> 14:445
A32	Bruijntjes, J.P., Kuper, C.J., Robinson, J.E. and Schutirman, H.J., (1993) <i>Dev. Immunol.</i> 3:113
A33	Capecchi, M.R., (1980) <i>Cell</i> 22:479-488
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Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

Applicant Boyd, Richard

Sheet 6 OF 17 Decem

Filing Date Group Art Unit
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		U.S.	Patent Document	s		,
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
_	5,658,892	Aug 19, 1997	Flotte et al.			
	5,681,559	Oct 28, 1997	DiGiusto et al.			
	5,736,524	Apr 7, 1998	Content et al.			
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	5,811,275	Sep 22, 1998	Wong-Staal et al.			
	5,814,617	Sep 29, 1998	Hoffman et al.			
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		Foreigr	Patent Docum	ents			
EXAMINER	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL	NUMBER	DATE	COONTRI	CLASS	GOBOLAGO	YES	NO
	WO 01/34815	May 17, 2001	WO				
	WO 03/51272	Jun 26, 2003	WO				

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A35	Castle, S.C., (2000) Clin Infect Dis 31(2): 578-585
A36	Charoenvit et al., (1991) J. Immunol. 146: 1020
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A38	Consolini et al., (2000) Clin. Exp. Immunol. 121(3): 444-447
A39	Davis et al. (1998) Hum. Gene Ther., p. 1197-207
A40	Dawe et al., (1993) Springer Semin. Immunopathol. 14:285
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Applicant Boyd, Richard

Sheet 7 OF 17 Decer

Filing Date Group Art Unit
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		U.S.	Patent Documer	nts	•	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,876,708	Mar 2, 1999	Sachs			
	6,030,833	Feb 29, 2000	Seebach et al.			
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A42	DeWit et al., (1994) DNA Seq. 4:267
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A44	Doria, G., Mancini, C., Utsuyama, M., Frasca, D. and Hirokawa, K, (1997) <i>Mech. Age. Dev.</i> 95: 131-142
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(Use several sheets if necessary)

8

OF

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Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

Applicant Boyd, Richard

Filing Date December 30, 2003 Group Art Unit 1645

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	6,558,663	May 6, 2003	Seebach et al.			

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EXAMINER	DOCUMENT DATE COUNTRY	COUNTRY	CLASS	SUBCLASS	TRANS	TRANSLATION	
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Sheet

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(Use several sheets if necessary)

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OF

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Docket Number NOR-015CP2/ 286336.154US1 Application Number 10/749,120

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(Use several sheets if necessary)

15

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(Use several sheets if necessary)

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OF

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Application Number 10/749,120

(Use several sheets if necessary)

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